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K Vafai, CL Tien - Int. J. Heat Mass Transfer, 1981 - vafai.engr.ucr.edu

... boundary layer central to the **numerical** routine is ... Local volume averaging **analysis**

The averaging process is ... of a quantity Y associated with the **fluid** is thus ...

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S Chen, GD Doolen - Annual Review of **Fluid Mechanics**, 1998 - Annual Reviews

... these heuristic models yield good results for **fluid flows** around ... lid-driven

square-cavity **flow**, and **flow** over a ... From a **numerical analysis** point of view, the ...

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[High-Resolution Conservative Algorithms for Advection in Incompressible Flow - all 4 versions »](#)

RJ Leveque - SIAM Journal on **Numerical Analysis**, 1996 - JSTOR

... verified by a more careful error **analysis** in 6 ... also includes test data for the **numerical** examples presented ... in the context of volume-of-fluid interface tracking ...

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TE Tezduyar - Advances in Applied Mechanics, 1991 - mems.rice.edu

... and the associated stability and accuracy **analysis** can be ... Sections III, IV, and V include **numerical** examples for ... denote the subdomain occupied by fluid A, and ...

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[ENHANCEMENTS OF THE SIMPLE METHOD FOR PREDICTING INCOMPRESSIBLE FLUID FLOWS - all 4 versions »](#)

JP Van Doormaal, GD Raithby - **Numerical Heat Transfer, Part A: Applications**, 1984 - informaworld.com

... method) are compared for two recirculating **flow** problems. ... of two- or three-dimensional, elliptic, **incompressible fluid flows**, and **numerical** methods of ...

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[A Taylor-Galerkin-based algorithm for viscous incompressible flow - all 3 versions »](#)

DM HAWKEN, HR TAMADDON-JAHROMI, P TOWNSEND, MF ... - International Journal for **Numerical Methods in Fluids**, 1990 - doi.wiley.com

... since their origins lie in compressible **fluid** dynamics, where ... that this step has a negligible **numerical** contribution, it ... background lies in the **analysis** of van ...

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[Lagrangian finite element analysis applied to viscous free surface fluid flow - all 2 versions](#)

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B Ramaswamy, M Kawahara - Int. J. Numer. Methods Fluids, 1987 - doi.wiley.com

... The capabilities of the **analysis** procedure and the ... several problems in viscous free surface **fluid flow**. ... with previous theoretical, **numerical** and experimental ...

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[Computational fluid dynamics-An introduction for engineers](#)

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... Emphasis is on the **numerical** treatment of **incompressible unsteady fluid flow** with primary applications to water problems using the finite difference method. ...

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[... analysis of air-water two-phase flow across a staggered tube bundle using an incompressible two- ... - all 3 versions »](#)

T Uchiyama - Nucl. Sci. Eng, 2000 - osti.gov

Title, Numerical analysis of air-water two-phase flow across a staggered tube bundle using an incompressible two-fluid model. Creator/Author, Uchiyama, Tomomi. ...

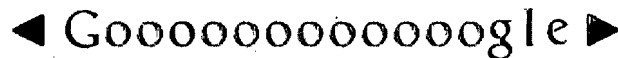
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[\[book\] Vorticity and Incompressible Flow - all 3 versions »](#)

A Majda, AL Bertozzi - 2002 - cambridge.org

... Modern applied analysis approach to fluid mechanics. ... Broad range of topics including numerical methods, singularities, strong solutions, weak ...

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